



KEEP CINCINNATI BEAUTIFUL ENVIRONMENTAL EDUCATION PROGRAM CATALOGUE

ASSEMBLIES

Wartville Wizard (Grades PK-3)

Entering its 17th season, this whimsical, 30-minute play, utilizes Walnut Hills High School advanced drama students as the actors who deliver the message that it's important to take care of your neighborhood. The traveling show is performed once a month and is under the direction of drama coach Kate Wilford. The assembly includes a 20-minute performance, followed by a question and answer period. At the conclusion, whenever possible, a Cincinnati Police Officer "deputizes" the student audience to be litter patrol officers in their communities. All students receive Junior Litter Patrol Officer Badges to show off to their families.

How Litter Hurts Animals/Wings of Wonder (Grades PK-6)

This assembly is a litter prevention program in partnership with the Cincinnati Zoo, which utilizes our zoo animal friends to reinforce the message that litter is harmful to all types of animals. The assembly is entering its 10th season. Two Cincinnati Zoo bird trainers from their Wings of Wonder Bird Show travel to elementary schools with a variety of animals, props and sound equipment. They weave the how litter hurts animals message, utilizing several zoo animals that include a skunk, rats, a penguin and lots of bird species. For many children, a visit to the Zoo is not possible, and this program teaches habitats, geography, animal characteristics as well as the relationship between litter and animal wellbeing.

Ready, Set, RECYCLE! (Grades PK-6)

Ready, Set, RECYCLE is a 20-minute, information-packed pep rally to get students excited about recycling. **We've made it a baseline requirement for schools that receive other KCB environmental education programming** to familiarize students with our organization and the basics of recycling. We use giant props to capture the attention of students, K-8th grade. Students receive a recycling postcard with an activity, courtesy of Hamilton County Recycling & Solid Waste District.

CLASSROOM PRESENTATIONS

NATURAL RESOURCE CONSERVATION OUTREACH PROGRAMS

Compost Stew (Grades PK-2)

We'll read the book *Compost Stew* and follow along by creating our own batch of "compost". Students will learn how the earth recycles and why it's important for us to do things, like compost, to reduce the amount of waste we create. (30 minutes)

Fred the Fish (Grades K-4)

Fred is a little fish whose curiosity gets the best of him as he sets out to explore the Mill Creek. He has no idea that there is a lot more than water in the water! We will follow Fred on his journey and see the effects of water pollution on wildlife as well as discuss what we can do to help keep the water clean. (45 minutes)

Water, Water Everywhere (Grades 3-12)

This program allows students to appreciate how little water is actually available for human use with a demonstration of water availability and a hands-on activity in which they manage their water for various uses. Students discuss how humans use water, understand the importance of managing this resource carefully and formulate ideas to conserve water and maintain a quality supply. (45 minutes)

The Mystery of Landfills (Grades 3-12)

What happens to our trash after it is picked up at curbside? What is the difference between a dump and a sanitary landfill? How are landfills designed to minimize the effects of solid waste disposal on our environment? Using a model of a landfill to visually depict the components of its design we will discuss the answers to these and other questions. (45 minutes)

Wonders of the Sun (Grades 5-12)

In this program, students are able to better appreciate the many uses of our Sun. Students become familiar with the concept of UV rays through an activity with UV color changing beads utilizing outdoor observation and inquiry. They gain an understanding of what solar energy is, how it is used and about the greenhouse effect. (45 minutes)

Understanding your Carbon Footprint (Grades 6-12)

Students will learn about greenhouse gasses, global warming and uncover the biggest contributors to their individual "footprint." They will also learn how to calculate their carbon footprint and encouraged to share this with their families. We will discuss ways to alter their daily living in order to make a positive impact on the environment. (45 minutes)

CLASSROOM PRESENTATIONS CONT.

LITTER PREVENTION OUTREACH PROGRAMS

Jitter, Don't Litter (Grades PK-1)

This is a story that will set your kids' toes to tappin'. With colorful characters from "How Spider Stopped the Litterbugs" we'll dance and sing our way to the realization that everyone (even kids) can help keep our city litter-free. (30 minutes)

How Litter Hurts Animals (Grades PK-2)

All children have a warm spot in their hearts for animals. In this program we introduce children to the idea that litter not only makes the neighborhood look trashy, it can also harm pets and other wild things. Through the use of a puppet show and age-appropriate discussions we will establish a connection that is deep and meaningful to them. (30 minutes)

RECYCLING OUTREACH PROGRAMS

Recycle This! (Grades PK-2)

This program teaches students about the different options to "throw away" common items. We will discuss how these items can be recycled, composted or donated, and why its important to keep them out of the landfill. Students will put their new knowledge to the test and practice sorting items into these different waste avenues. (30 minutes)

Eco-Art (Grades 2-6)

After a brief review and discussion of the three R's, children will tap into their creative side to explore the reuse leg of the reduce-reuse-recycle triangle. We'll put into practice the concept of reuse through craft making from of an item usually destined for the landfill, which students get to take home! We provide the craft materials but request that each class supply its own glue, scissors, and crayons or markers. (30-45 minutes)

Paper Recycling (Grades 2-6)

This is one of our most popular programs. Students learn where paper comes from, its history, its future and why recycling paper is beneficial to the environment. Then they will operate their own paper recycling factory and produce recycled paper right in your classroom. (45 minutes)

Recycle That Resource (Grades 3-12)

This program involves a discussion about the natural resources from which different kinds of recyclable items are made. We will touch on the difference between renewable vs non-renewable resources, extraction methods and their impact on environment. Students will learn how recycling saves resources, landfill space and energy. (45 minutes)

FIELD TRIPS

Keep Cincinnati Beautiful sponsors a limited number of experiences each year to immerse 3rd-12th grade students in the topics of waste reduction, litter prevention, and natural resource conservation. Below is a list of approved destinations and corresponding program.

<p>TRAILSIDE NATURE CENTER & RUMPKE LANDFILL</p> <p>Website: Trailside & Rumpke Contact: Kara Luggen* Grades: 3rd-6th # of students: min: 30, max: 50 Time: Approx. 5 hours Description: Students will gain a better understanding of where their trash goes and why it's so important to recycle. We head to Trailside Nature Center in the morning for a series of nature education programs. Then in the afternoon we take a bus tour of the Rumpke Sanitary Landfill to show students what happens when the garbage trucks picks up their trash. *This field trip has pre-approved dates. Contact Kara for availability.</p>	<p>CINCINNATI PARKS: TRAILSIDE, LABOITEAUX WOODS</p> <p>Website: Cincinnati Parks Contact: Bettman Center (513) 321-6070 Grades: 3rd-6th # of students: min: 30, max: 50 Time: Approx. 5 hours Description: Spend all day at a Cincinnati Park for their <i>Recycling and Resources</i> program in the morning and a nature hike in the afternoon (students must attend the R&R program). Students will explore ways to Reduce, Reuse and Recycle our natural resources through hands-on and interactive activities. Fun and active techniques are employed to engage children in the recycling of solid waste, nature's recycling methods and composting.</p>
<p>FERNALD PRESERVE</p> <p>Website: Visitor's Center Contact: Program Request Form Grades: 3rd-6th, 7th-12th # of students: min: 30, max: 50 Time: Approx. 5 hours Description: Students will get to tour Fernald's facility, including museum exhibits full of its rich history throughout the years as forest, farm land, uranium production, environmental clean-up, to now as a restored forest, prairie, and wetland. Students will engage in activities as well as travel outside for an interactive hike.</p>	<p>RUMPKE LANDFILL TOUR</p> <p>Website: Rumpke Contact: Anne Gray (800) 828-8171 ext.7164 anne.gray@rumpke.com Grades: 3rd-12th # of students: min: 30, max: 50 Time: Approx. 1 hour Description: Students experience what happens after garbage leaves their hands. A landfill tour includes a brief history of the company and an explanation of truck types. The bus then travels around the landfill while a trained guide shows guests the many aspects of our waste system. <i>Note: This tour pairs nicely with Rumpke Recycling</i></p>

F.O.R.E. (FOUNDATION FOR OHIO RIVER EDUCATION)

Website: Rate Your River Program (4-8th)
Rate Your River Program (HS)
Contact: Heather Mayfield hmayfield@orsanco.org
Grades: 4th-8th, 9th-12th
of students: min: 30, max: 50
Time: Approx. 5 hours
Description: Students rotate through hands-on activities and labs aboard the Queen City "Princess" riverboat to obtain a snap-shot of water quality in the Ohio River. Students assess water quality by performing water testing, and by studying aquatic organisms.
**In-class presentation through FORE not KCB*

MSD'S MILL CREEK WASTEWATER PLANT

Website: MSD Wastewater Plant
Contact: Cassandra Hillary (513) 244-5133
cassandra.hillary@cincinnati-oh.gov
Grades: 4th-12th
of students: min: 30, max: 50
Time: Approx. 1.5 – 2 hours
Description: On this walking tour, students will get to see firsthand how our waste water is processed. Students will get to see all the treatment processes: preliminary, primary, and secondary and will get to discover the sludge handling and incineration process.
Note: This tour pairs well with MSD's Lick Run Project (HS) and Green Learning Station

CIVIC GARDEN CENTER: GREEN LEARNING STATION

Website: Green Learning Station
Contact: Kylie Johnson
kjohnson@civicgardencenter.org
Grades: 7th-12th
of students: min: 30, max: 40
Time: Approx. 2.5 hours
Description: The Green Learning Station is a place for students to get outside, play around with science and sustainability concepts and take new ideas home to try. Students will rotate through interactive & engaging stations to learn about green infrastructure. *Note: This field trip pairs well with a trip to MSD, Waterworks, or the Lick Run Project.*

GREATER CINCINNATI WATER WORKS WATER TREATMENT PLANT

Website: Museum/Treatment Tour
Contact: School Tour Request Form
Grades: 7th-12th
of students: min: 30, max: 60
Time: Approx. 2 hours
Description: Through this walking tour, students will learn how water from the Ohio River is treated to produce safe drinking water by seeing many of the treatment processes including sand filtration, granular activated carbon, and ultraviolet disinfection. Students will also gather an understanding of the testing and laboratory facilities to ensure the safety of the water.

RUMPKE RECYCLING (MATERIAL RECOVERY FACILITY)

Website: Rumpke
Contact: Anne Gray (800) 828-8171 ext.7164
anne.gray@rumpke.com
Grades: 9th-12th
of students: min: 30, max: 50
Time: Approx. 2 hours
Description: During a walking tour of the facility, guests will learn about the technology used at our state-of-the-art facilities and see recyclables sorted and separated. The tour also includes an overview of Rumpke's recycling operations and an opportunity for questions.

MSD'S LICK RUN PROJECT

Website: Lick Run Project
Contact: Deb Leonard (513) 557-7095
deb.leonard@cincinnati-oh.gov
Grades: 9th-12th
of students: max: 24 students*
**unless otherwise arranged*
Description: The focus of this project is to keep stormwater out of the combined sewer system through a variety of gray and green infrastructure projects across the watershed including bioswales, stream restoration, rain gardens and the creation of a mile-long constructed waterway that will mimic a natural stream. *Note: This field trip pairs well with a trip to Green Learning Station for a full day.*

SERVICE LEARNING - (GRADES 3-12)

Students will be taught and trained on either the “Fred, the Fish” water pollution classroom presentation or the “Recycle This!” presentation and receive all the necessary teaching materials to present on their own. These students will serve as mentors and teachers to both their peers and the younger students in their community. This is a great opportunity for students to gain public speaking and leadership skills. This is also a great opportunity for teens to receive community service hours. The time commitment is 45 minutes and can be an in-classroom or after-school activity.

We can also customize a service learning opportunity to fit your curriculum. For example, we can help older students partner with a nearby elementary school for a cleanup or planting event. We can also connect students with their local community council or other local organization to partner on a community project. This is a great way for high school students to complete their community service hours!

GREAT AMERICAN CLEANUP - (ALL GRADES)

As a part of this national cleanup effort, all schools who receive KCB programming **are required to participate in a campus cleanup**. This could be a small class or the whole school; but each teacher/principal chooses the date and time for their campus cleanup and KCB will provide bags, gloves, and car litter bags to take home to share the litter-free message with their families. This is an important part of students taking their knowledge and putting it into action!

SCHOOL RECYCLING RESOURCES (ALL SCHOOLS)

School and Cafeteria Recycling Signage

If your school needs support with recycling in the cafeteria, common areas, or classrooms, we are here to help! We offer downloadable signage and information, personalized recycling signage for your school, and even have a Recycling Monitor that can visit your school to assist with recycling set up or troubleshooting.

Green Team Support

Green Teams empower students to take action and assist their school’s recycling efforts. If your school has a Green Team we offer supplies, KCB expert support, and “Recycling Crew” t-shirts to get them equipped! Register your Green Team to receive assistance and enter to win quarterly prizes online at www.keepcincinnatibeautiful.org/recycle.